

CERTIFICATE OF ANALYSIS

(Certificate No. KMC016001-01)

Release Date: 01/06/2024

Re-test Date: 31/05/2027

Clotrimazole Impurity 2

Identification

Chemical Name :

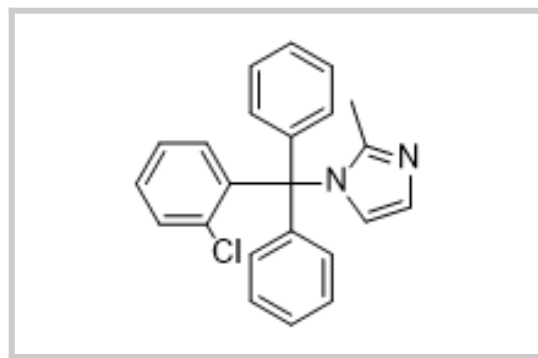
1-((2-chlorophenyl)diphenylmethyl)-2-methyl-1H-imidazole

CAT No. : KMC016001

CAS No. : 98751-53-2

Molecular Formula : C₂₃H₁₉ClN₂

Molecular Weight : 358.86



Analytical Information

Batch No. : CLO-IMP-2-073-233

Description : Off White solid

HPLC Purity : 98.60 %

Weight Loss By TGA : 1.06 %

% Potency : 97.55 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = $[100 - 1.06(\text{Weight Loss By TGA})] \times [98.60(\text{HPLC Purity})]/100 = 97.55 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		01/06/2024
Reviewed & Approved By	Quality Control	Parag Patel		01/06/2024

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR